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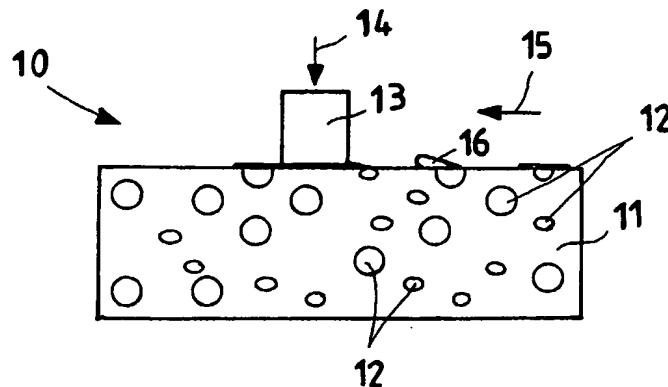
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(54) Title: SELF-LUBRICATING PLASTICS MATERIAL FOR SEALING ELEMENTS



(57) **Abstract:** The present invention relates to a plastics material with self-lubricating action which is particularly suitable for the production of sealing elements for reciprocating compressors, said material comprising a wear-resistant polymer matrix, preferably made from polyketone, within which are dispersed microcapsules containing a lubricating fluid. The microcapsules incorporated into the polymer matrix break up as a result of friction with the contact surface of the sliding partner, resulting in the escape of the lubricating fluid and a consequent reduction in friction.